



UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/220,617 12/24/98 JOHNSON

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HM12/0305

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EXAMINER

DONALD HOLLAND
HOWELL & HAERKAMP
7733 FORSYTH BOULEVARD
SUITE 1400
ST LOUIS MO 63105

HAYES, R

ART UNIT

PAPER NUMBER

1647

DATE MAILED:

03/05/01

14.

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
COMMISSIONER OF PATENTS AND TRADEMARKS
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Please find below a communication from the EXAMINER in charge of this application
Commissioner of Patents

The communications filed on 08/22/00 (paper #9) and 12/22/00 (paper #12) are not fully responsive to the communications mailed 07/18/00 (paper #8) and 11/20/00 (paper #11) because 37 CFR 1.821 (a)(2)(c-d) states that each sequence disclosed must appear separately in the "Sequence listing" **and in the text of the description and claims (i.e., where first mentioned in the specification)**. See MPEP 2431. It remains unknown what exactly SEQ ID NOs: 19, 102, 125-129, 180, 191 & 206 represent, and the SEQ ID NOs listed in the titles of Figures 20A & B alternatively should be listed on page 10 of the specification. Additionally, it remains unclear what exactly the "reference sequences" on page 56 represent (i.e., requires amending the specification to identify what these sequences represent). Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 & 132.

Since the response appears to be **bona fide**, but through an apparent oversight or inadvertence failed to provide a complete response, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid **ABANDONMENT** under 37 CFR 1.821(g). **NO EXTENSIONS WILL BE GRANTED SINCE THE SIX MONTH STATUTORY PERIOD HAS EXPIRED.**

Any inquiry concerning this communication should be directed to Examiner **Robert C. Hayes**, Art Unit **1647**, whose telephone number is **703-305-3132**.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

Robert C. Hayes, Ph.D.
February 28, 2001

TECHNOLOGY CENTER 1600
GARY L. KUNZ
SUPERVISORY PATENT EXAMINER
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